

**Practice: 327 - Conservation Cover****Scenario: #1 - Introduced, Cool-Season****Scenario Description:**

Establish introduced/cool-season grass or grass-legume mix on conventional land in need of permanent cover. Typically assumes fertilizer, seed, equipment and labor for seed bed prep, tillage, seeding, and spreading. Does not include foregone income for conversion of cropland. Payment does not assume lime application to raise pH even though lime is often needed to ensure practice success.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 5

**Scenario Cost:** \$1,099.44

**Scenario Cost/Unit:** \$219.89

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
<b>Materials</b>						
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.39	250	\$97.50
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.28	500	\$140.00
Four Species Mix, Cool Season, Introduced Perennial (2 grasses, 2 legumes)	2317	Cool season grass and legume mix. Includes material and shipping only.	Acre	\$46.18	5	\$230.90
Nitrogen (N), Ammonium Nitrate	69	Price per pound of N supplied by Ammonium Nitrate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.79	250	\$197.50
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #2 - Introduced, Cool-Season, Foregone Income****Scenario Description:**

Establish introduced/cool-season grass or grass-legume mix on conventional land in need of permanent cover. Typically assumes fertilizer, seed, equipment and labor for seed bed prep, tillage, seeding, and spreading. Includes foregone income for conversion of cropland. Payment does not assume lime application to raise pH even though lime is often needed to ensure practice success.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 5

**Scenario Cost:** \$2,666.99

**Scenario Cost/Unit:** \$533.40

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
<b>Foregone Income</b>						
Fl, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$313.51	5	\$1,567.55
<b>Materials</b>						
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.39	250	\$97.50
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.28	500	\$140.00
Four Species Mix, Cool Season, Introduced Perennial (2 grasses, 2 legumes)	2317	Cool season grass and legume mix. Includes material and shipping only.	Acre	\$46.18	5	\$230.90
Nitrogen (N), Ammonium Nitrate	69	Price per pound of N supplied by Ammonium Nitrate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.79	250	\$197.50
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #3 - Introduced, Cool-Season, Organic****Scenario Description:**

Establish certified organic, introduced/cool-season grass or grass-legume mix on organic or transitioning to organic land in need of permanent cover. Typically assumes higher seed costs for organic seeds/nutrients, and equipment and labor for seed bed prep, tillage, seeding, and spreading. Does not include foregone income for conversion of cropland. Payment does not assume lime application to raise pH even though lime is often needed to ensure practice success.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent, native vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted**Scenario Unit:** Acre**Scenario Typical Size:** 5**Scenario Cost:** \$959.89**Scenario Cost/Unit:** \$191.98**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
<b>Materials</b>						
Potassium, Organic	268	ORGANIC Potassium	Pound	\$0.27	500	\$135.00
Certified Organic, Three Species Mix, Cool Season, Perennial Grasses and Legumes	2340	Certified organic cool season perennial grass and legume mix. Includes material and shipping only.	Acre	\$64.77	5	\$323.85
Phosphorus, Organic	267	ORGANIC Phosphorus	Pound	\$0.27	250	\$67.50
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #4 - Introduced, Cool-Season, Organic, Foregone Income****Scenario Description:**

Establish certified organic, introduced/cool-season grass or grass-legume mix on organic or transitioning to organic land in need of permanent cover. Typically assumes higher seed costs for organic seeds/nutrients, and equipment and labor for seed bed prep, tillage, seeding, and spreading. Includes foregone income for conversion of cropland. Payment does not assume lime application to raise pH even though lime is often needed to ensure practice success.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent, native vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 5

**Scenario Cost:** \$2,527.44

**Scenario Cost/Unit:** \$505.49

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
<b>Foregone Income</b>						
FI, Corn Dryland	1959	Dryland Corn is Primary Crop	Acre	\$313.51	5	\$1,567.55
<b>Materials</b>						
Certified Organic, Three Species Mix, Cool Season, Perennial Grasses and Legumes	2340	Certified organic cool season perennial grass and legume mix. Includes material and shipping only.	Acre	\$64.77	5	\$323.85
Phosphorus, Organic	267	ORGANIC Phosphorus	Pound	\$0.27	250	\$67.50
Potassium, Organic	268	ORGANIC Potassium	Pound	\$0.27	500	\$135.00
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #5 - Native, Warm Season****Scenario Description:**

Establish native/warm-season seed mixes on conventional or organic land in need of permanent cover. Typically assumes high seed costs for native seed, as well as equipment and labor for seed bed prep, tillage, seeding, and spreading. Does not include foregone income for conversion of cropland.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent, native vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 5

**Scenario Cost:** \$2,549.84

**Scenario Cost/Unit:** \$509.97

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
<b>Materials</b>						
Three Species Mix, Native Forb	2333	Native forb mix. Includes material and shipping only.	Acre	\$545.96	2.5	\$1,364.90
Three plus Species Mix, Warm Season, Native Perennial	2327	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$205.56	2.5	\$513.90
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.28	500	\$140.00
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.39	250	\$97.50
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #6 - Native, Warm-Season, Foregone Income****Scenario Description:**

Establish native/warm-season seed mixes on conventional or organic land in need of permanent cover. Typically assumes high seed costs for native seed, as well as equipment and labor for seed bed prep, tillage, seeding, and spreading. Includes foregone income for conversion of cropland.

**Before Situation:**

Land is without permanent vegetative cover and is subject to soil erosion. Sediment may be moving offsite into surface water degrading water quality. The system does not provide good wildlife habitat.

**After Situation:**

Land is covered with permanent, native vegetation and soil erosion and water/sediment runoff is reduced. Wildlife habitat is improved.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 5

**Scenario Cost:** \$4,352.54

**Scenario Cost/Unit:** \$870.51

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Fertilizer, ground application, dry bulk	950	Dry bulk fertilizer application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.36	5	\$31.80
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
<b>Foregone Income</b>						
Fl, Organic, Corn Dryland	2232	Organic Dryland Corn is Primary Crop	Acre	\$360.54	5	\$1,802.70
<b>Materials</b>						
Three plus Species Mix, Warm Season, Native Perennial	2327	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$205.56	2.5	\$513.90
Potassium, K2O	74	K2O supplied by Muriate Of Potash. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.28	500	\$140.00
Phosphorus, P2O5	73	Price per pound of P2O5 supplied by Superphosphate. Price is not per pound of total product applied, no conversion is needed.	Pound	\$0.39	250	\$97.50
Three Species Mix, Native Forb	2333	Native forb mix. Includes material and shipping only.	Acre	\$545.96	2.5	\$1,364.90
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #7 - Pollinator Habitat****Scenario Description:**

Establish permanent vegetative cover for pollinator habitat according to state specifications. Typically used for common/agronomic pollinator species on larger-scale plantings. Assumes seed/plugs, equipment and labor for seed bed prep/planting, and weed management during establishment. Used for conventional or organic land.

**Before Situation:**

Land used to grow specialty crops does not have high quality forage/habitat for native pollinators. Plant species diversity is often low and a season long range of nectar/pollen producing plants is needed to encourage permanent habitat for native pollinators.

**After Situation:**

Permanent pollinator habitat is established. This practice may also have reduced soil erosion, reduced water/sediment runoff, and significant dust emissions are eliminated therefore, air quality is improved. Plants sown for pollinator habitat may also provide cover for beneficial insects and wildlife. This scenario does not apply to critical area plantings.

**Scenario Feature Measure: Area planted****Scenario Unit:** Acre**Scenario Typical Size:** 5**Scenario Cost:** \$2,959.32**Scenario Cost/Unit:** \$591.86**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
	297				50	
<b>Acquisition of Technical Knowledge</b>						
Training, Workshops	294	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	\$41.42	1	\$41.42
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	5	\$52.20
Mechanical weed control, Vegetation termination	957	Mechanical operations, Includes: Roller/crimper, mower, shredder, etc. Includes equipment, power unit and labor costs.	Acre	\$19.25	15	\$288.75
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	5	\$100.05
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	5	\$77.80
<b>Materials</b>						
Six Species Mix, Native Forb	2334	Native forb mix. Includes material and shipping only.	Acre	\$917.80	1.5	\$1,376.70
Pollinator Mix, Native Perennial Grasses and Forbs	2335	Native grass and legume pollinator mix. Includes material and shipping only.	Acre	\$243.06	3.5	\$850.71
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69

**Practice: 327 - Conservation Cover****Scenario: #8 - Intensive Pollinator Habitat****Scenario Description:**

Establish permanent vegetative cover for pollinator habitat according to state specifications. Typically used for high quality nectar and pollen species. Assumes seed/plugs, equipment and labor for seed bed prep/planting, and weed management during establishment. Used for conventional or organic land on small, intensive areas that are central to specialty crop production. Not typically used for large-scale plantings.

**Before Situation:**

Land used to grow specialty crops does not have high quality forage/habitat for native pollinators. Plant species diversity is often low and a season long range of nectar/pollen producing plants is needed to encourage permanent habitat for native pollinators.

**After Situation:**

Permanent pollinator habitat is established. This practice may also have reduced soil erosion, reduced water/sediment runoff, and significant dust emissions are eliminated therefore, air quality is improved. Plants sown for pollinator habitat may also provide cover for beneficial insects and wildlife. This scenario does not apply to critical area plantings.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 1

**Scenario Cost:** \$1,032.25

**Scenario Cost/Unit:** \$1,032.25

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
	297				50	
<b>Acquisition of Technical Knowledge</b>						
Training, Workshops	294	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	\$41.42	1	\$41.42
<b>Equipment/Installation</b>						
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$10.44	1	\$10.44
Tillage, Primary	946	Includes heavy disking (offset) or chisel plow. Includes equipment, power unit and labor costs.	Acre	\$15.56	1	\$15.56
Mechanical weed control, Vegetation termination	957	Mechanical operations, Includes: Roller/crimper, mower, shredder, etc. Includes equipment, power unit and labor costs.	Acre	\$19.25	3	\$57.75
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$20.01	1	\$20.01
<b>Materials</b>						
Six Species Mix, Native Forb	2334	Native forb mix. Includes material and shipping only.	Acre	\$917.80	0.7	\$642.46
Pollinator Mix, Native Perennial Grasses and Forbs	2335	Native grass and legume pollinator mix. Includes material and shipping only.	Acre	\$243.06	0.3	\$72.92
<b>Mobilization</b>						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$171.69	1	\$171.69